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TITLE SECTION, VOLUME
CONTENTS AND AUTHOR INDEX

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Vol. 6
1979

Vol. 6
1979

Numbers 1/2

Preface
Michael E. McCormick 1

Uplift-Resisting Anchors
R. J. Taylor, D. Jones and R. M. Beard 3

Preliminary Selection of Anchor Systems for Ocean Thermal Energy Conversion
J. M. Atturio, P. J. Valent and R. J. Taylor 139

Single Anchor Holding Capacities for Ocean Thermal Energy Conversion (OTEC) in Typical Deep Sea Sediments
P. J. Valent, R. J. Taylor, J. M. Atturio and R. M. Beard 169

Number 3

Possible Naval Vehicles
D. A. Jewell 247

A Note on Surface Wind-Driven Flow
J. M. Bishop 273

Loads and Moments due to Currents and Wind on Offshore Gravity Platforms
Y. Bangash 285

A Literature Review of the Saturation State of Seawater with Respect to Calcium Carbonate and its Possible Significance for Scale Formation on OTEC Heat Exchangers
J. W. Morse, J. de Kanel and H. L. Craig, Jr 297

Gas Concentration Cells for the Conversion of Ocean Wave Energy
R. E. Salomon and S. M. Harding 317

The Influence of Turbulence on Drag
W. H. Bell 329

Technical Note 341

Book Review 345

News and Notices 347

Announcement: 5th International Conference on the Strength of Metals and Alloys (ICSMA 5) 353

Number 4

Underwater Inspection/Testing/Monitoring of Offshore Structures
R. F. Busby 355

Number 5

A Rational Approach to Intact Ship Stability Assessment
İ. R. Özkan 493

Graphical Determination of the Height of Surge Waves
Ü. Istemi 517

Transverse Vibrations of Rectangular, Orthotropic Plates with One or Two Free Edges While the Remaining are Elastically Restrained Against Rotation
R. O. Grossi and P. A. A. Laura 527

Technical Note 541

Comment "Drift of Icebergs in the Grand Banks"
D. G. Mountain, R. M. Hayes and R. W. Scobie 549

Book Review 551

News and Notices 553

Number 6

Ship Motions and Sea Loads in Restricted Water Depth
P. Andersen 557

On the Propulsion Quality of Ships Operating at Restricted Water Depth
H. Schwanecke 571

C_{RS}-Diagrams for Design Calculations of the Stability of Ships
H. E. Guldhammer 581

Mean and Low Frequency Wave Drifting Forces on Floating Structures
J. A. Pinkster 593

News and Notices 617

Author Index

A
Andersen, P., 557
Atturio, J. M., 139, 169

B
Bangash, Y., 285
Beard, R. M., 3, 169
Bell, W. H., 329
Bishop, J. M., 273
Busby, R. F., 355

C
Craig, H. L., Jr, 297

D
de Kanel, J., 297

G
Grossi, R. O. 527
Guldhammer, H. E., 581

H
Harding, S. M., 317
Hayes, R. M., 549

I
Istemi, Ü., 517

J
Jewell, D. A., 247
Jones, D., 3

L
Laura, P. A. A., 527

M
McCormick, M. E., 1
Mooney, K. A., 541
Morse, J. W., 297
Mountain, D. G., 541, 549

O
Özkan, İ. R., 493

P
Pinkster, J. A., 593

S
Salomon, R. E., 317
Schwanecke, H., 571
Scobie, R. W., 549

T
Taylor, R. J., 3, 139, 169

V
Valent, P. J., 139, 169

Vol. 6
1979

Aims and Scope of the Journal

Now that man has become accustomed to the idea of exploring space, he has turned his attention to the equally challenging task of exploring and making effective use of the oceans. It is already apparent that the rewards of this effort will include new scientific knowledge and understanding of the oceans, increased food production from them, and increased mineral, oil and gas resources. Working in an environment as hostile as a deep ocean presents engineering problems which are at least as challenging as those encountered in space exploration.

Ocean Engineering provides a medium for the publication of original research and development work in this field. In recognition of the fact that many research and development workers are now entering it, occasional review articles by leading authorities are published.

Because the field of ocean engineering is rapidly expanding, it would be unwise to define the scope of the journal too precisely. Areas that are to be covered, fixed and floating, are the design and construction of structures (including ships), submarine soil mechanics, coastal engineering, properties and fabrication of materials, stress analysis and hydrodynamic properties of shells, underwater instrumentation, power and propulsion systems, aquacultural engineering and underwater acoustics. Work on marine resources will also be included.

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PREFACE

This issue of OCEAN ENGINEERING contains three excellent works on anchoring. The first paper, "Uplift-Resisting Anchors," is an excellent survey of the field and can be used as a handbook. The second paper, "Preliminary Selection of Anchor Systems for Ocean Thermal Energy Conversion", outlines the thought process in selecting an anchoring system with particular application to OTEC. The third paper, "Single Anchor Holding Capacities for Ocean Thermal Energy Conversion (OTEC) in Typical Deep Sea Sediments", continues the design process into the geotechnical area.

The staff of the U.S. Navy's Civil Engineering Laboratory at Port Hueneme, California, have performed an excellent service to the Ocean Engineering community.

Michael E. McCormick
Editor-in-Chief

Vol. 6
1979